



eCHEMPORTAL – THE GLOBAL PORTAL TO INFORMATION ON CHEMICAL SUBSTANCES

30-jähriges Bestehen des Informationssystems Gefährliche Stoffe
(IGS)

05.11.2019, Duisburg



Content

- OECD and the eChemPortal project
- eChemPortal
- OECD common electronic data format
- Conclusion



ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT (OECD)



Organisation for Economic Co-operation and Development (OECD) members and Partners



Australia

Austria

Belgium

Canada

Chile

Czech Republic

Denmark

Estonia

Finland

France

Germany

Greece

Hungary

Iceland

Ireland

Israel

Italy

Japan

Korea

Latvia

Lithuania

Luxembourg

Mexico

Netherlands

New Zealand

Norway

Poland

Portugal

Slovak Republic

Slovenia

Spain

Sweden

Switzerland

Turkey

United Kingdom

United States

- **EC**
- **IGOs**
- **Non-member economies**
- **Industry**
- **Trade Unions**
- **Environmental NGOs**
- **Animal Welfare NGOs**



OECD - Environment, Health and Safety Programme

- Aims are to protect health and the environment, while:
 - Avoiding duplication of effort
 - Ensuring that efficiencies are made
 - Barriers to trade avoided
- Work together to develop and implement high-quality chemicals management policies and instruments
- Support capacity building for the sound management of chemicals globally

Areas of work

- Chemicals
- Nanomaterials
- Pesticides
- Biocides
- Chemical Accidents
- Pollutant Release and Transfer Registers
- Biosafety





The eChemPortal project of the OECD

- A key tool for finding information to support health and environment decisions concerning chemicals for all stakeholders regardless of geography or purpose
- Contribution to the Strategic Approach to International Chemicals Management (SAICM)
- Effort of the OECD with contribution from stakeholders and developed in collaboration with the European Chemicals Agency



ECHEMPORTAL

WWW.ECHEMPORTAL.ORG

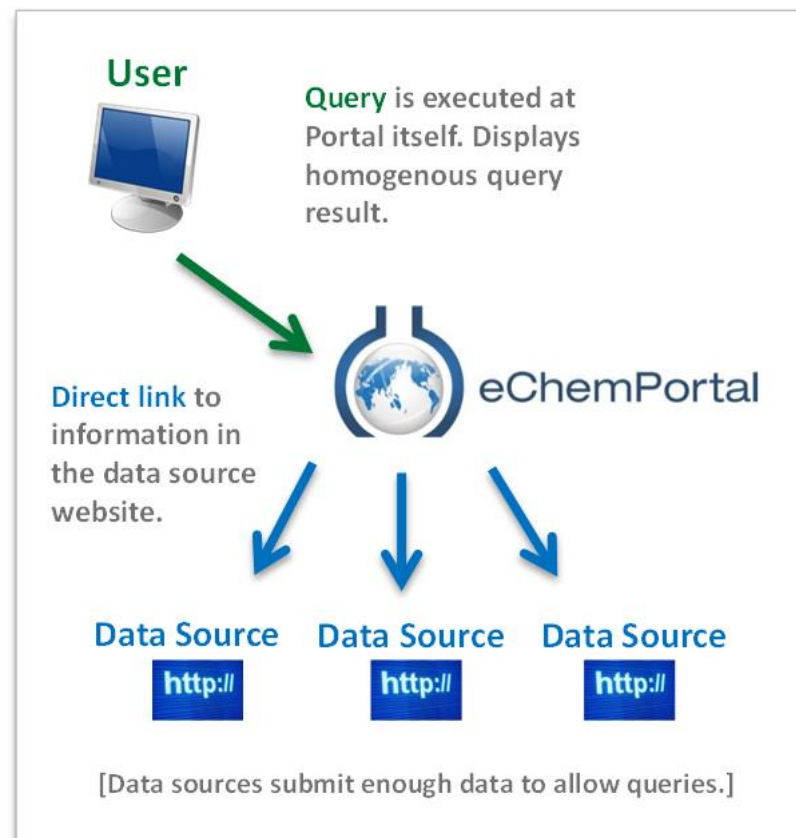


Free easy access to information of regulatory relevance on chemicals

- Prepared for government chemical programmes
- Property information (e.g. hazard & risk assessments, test data)
 - Physical Chemical Properties
 - Environmental Fate and Behaviour
 - Ecotoxicity
 - Toxicity
- Exposure and use information
- National classification results according to the GHS

Focus

- Existing industrial chemicals
- New industrial chemicals
- Pesticides
- Biocides





Main functionality

- Searches by:
 - Substance ID
 - Property & effects
 - GHS classification*
- Combination of searches:
 - Substance ID + property & effects criteria
 - Substance ID + GHS classification

**The C&L has undergone a review by a regulatory body or similar international organisation*



Participating data sources

- All 34 data sources participate in substance search
 - Australia, Canada, Finland, France, Germany, Japan, New Zealand, UK, USA, EU, IOs
- 4 data sources in property data search
 - Canada (CCR); Japan (J-CHECK); EU (ECHA CHEM); OECD (OECD SIDS IUCLID)
- 2 data sources in GHS classification search
 - Japan (GHS-J); EU (ECHA C&L inventory [harmonised classifications])
- The number of data sources participating in eChemPortal is continuously increasing




Participating data sources

- **ACToR** - U.S. EPA Aggregated Computational Toxicology Resource
- **AGRITOX** - Base de données sur les substances actives phytopharmaceutiques
- **APVMA-CR** - The Australian Pesticides and Veterinary Medicines Authority database of completed chemical reviews
- **CCR** - **Canadian Categorization Results**
- **CESAR** - Canada's Existing Substances Assessment Repository
- **Combined Exposures** - Collection of Case Studies on Risk Assessments of Combined Exposures to Multiple Chemicals
- **ECHA C&L inventory** - **Public Classification and Labelling (C&L) Inventory according to the European Union (EU) CLP Regulation (EC) No 1272/2008**
- **ECHA CHEM** - **European Chemicals Agency's Dissemination portal with information on chemical substances registered under REACH**
- **EFSA Open Food Tox** - Chemical Hazards Database of the European Food Safety Authority
- **EnviChem** - Data Bank of Environmental Properties of Chemicals
- **EPA HHBP** - EPA Human Health Benchmarks for Pesticides
- **EPA OPPALB** - EPA Office of Pesticide Programs' Aquatic Life Benchmarks
- **GDL** - Gefahrstoffdatenbank der Länder (Germany)
- **GHS-J** - **GHS Classification Results by the Japanese Government**
- **GSBL** - Joint Substance Data Pool of the German Federal Government and the German Federal States
- **HPVIS** - High Production Volume Information System
- **HSDB** - Hazardous Substance Data Bank
- **HSNO CCID** - New Zealand Hazardous Substances and New Organisms Chemical Classification Information Database
- **IGS** - Public Informationssystem für gefährliche Stoffe (Germany)
- **INCHEM** - Chemical Safety Information from Intergovernmental Organizations
- **INERIS-PSC** - INERIS-Portail Substances Chimiques
- **IPChem** - The Information Platform for Chemical Monitoring
- **J-CHECK** - **Japan CHEmicals Collaborative Knowledge database**
- **JECDB** - Japan Existing Chemical Data Base
- **NICNAS Other** - Australian National Industrial Chemicals Notification and Assessment Scheme assessments of existing chemicals other than Priority Existing Chemical assessments
- **NICNAS PEC** - Priority Existing Chemical Assessment Reports
- **NICNAS IMAP** - Inventory Multi-tiered Assessment and Prioritisation database
- **OECD HPV** - Organisation for Economic Cooperation and Development Existing Chemicals Database
- **OECD SIDS IUCLID** - **OECD Existing Chemicals Screening Information Data Sets (SIDS) Database**
- **SIDS UNEP** - OECD Initial Assessment Reports for HPV Chemicals including Screening Information Data Sets (SIDS) as maintained by UNEP Chemicals
- **SPIN** - Substances in Preparations In the Nordic countries
- **UK CCRMP Outputs** - UK Coordinated Chemicals Risk Management Programme Publications
- **US EPA IRIS** - United States Environmental Protection Agency Integrated Risk Information System
- **US EPA SRS** - United States Environmental Protection Agency Substance Registry Services




Home page (www.oecd.org/ehs/echempportal)



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The Global Portal to Information on Chemical Substances



eChemPortal ▼

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Chemical Substance Search

Chemical Property Data Search

GHS Search

Thirty four data sources participate under Chemical Substance Search.

Four data sources participate under Chemical Property Data Search.

Two data sources participate under the GHS Search, eleven data sources have GHS classifications information.

The [list of data sources participating](#) in eChemPortal is continuously expanding.

eChemPortal provides free public access to information on properties of chemicals:

- Physical Chemical Properties
- Ecotoxicity
- Environmental Fate and Behaviour
- Toxicity

eChemPortal allows simultaneous searching of reports and datasets by chemical name and number, by chemical property, and by GHS classification. Direct links to collections of chemical hazard and risk information prepared for government chemical review programmes at national, regional and international levels are obtained. Classification results according to national/regional hazard classification schemes or to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) are provided when available. In addition, eChemPortal provides also exposure and use information on chemicals.

Latest news

[NICNAS Inventory Multi-tiered Assessment and Prioritisation \(IMAP\) now linked to eChemPortal](#)
20 November 2017

[Search performance improved.](#)
28 September 2017

[Links to OECD SIDS IUCLID are temporarily down](#)
11 September 2017

[Information Platform for Chemical Monitoring \(IPCHEM\) database now linked to eChemPortal](#)
24 July 2017



Substance Search

The Global Portal to Information on Chemical Substances



eChemPortal

eChemPortal



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Substance Search

Number:

CAS, EC, IUBMB, MITI, UN or NA Number.

Example: 108-88-3 for a CAS Number.

Make sure you include the number separators. Do not search on partial Num

Chemical name or synonym:

Example: Use glut* to find Glutamic acid, use *chloro* to find dichlorobenzene.
To search for * as character (non wildcard use) use ** instead.

Filter by type of information

Search

Reset

Filter by type of information

Type: ?

- ☐ Property information
- ☐ Exposure and use information
- ☐ GHS classifications

Select All Deselect All

Select one or more of the types of information for your search.

Databases:

- | | |
|--|--|
| <input checked="" type="checkbox"/> ACToR | <input type="checkbox"/> AGRITOX |
| <input checked="" type="checkbox"/> APVMA-CR | <input type="checkbox"/> CCR |
| <input type="checkbox"/> CESAR | <input type="checkbox"/> Combined Exposures |
| <input type="checkbox"/> ECHA C&L inventory | <input checked="" type="checkbox"/> ECHA CHEM |
| <input checked="" type="checkbox"/> ECHA REACH | <input checked="" type="checkbox"/> EFSA Open Food Tox |
| <input type="checkbox"/> EnviChem | <input type="checkbox"/> EPA HHBP |
| <input type="checkbox"/> EPA OPPALB | <input checked="" type="checkbox"/> GD |
| <input type="checkbox"/> GHS-J | <input checked="" type="checkbox"/> GSDL |
| <input type="checkbox"/> HPVIS | <input checked="" type="checkbox"/> HSDB |
| <input type="checkbox"/> HSNO CCID | <input checked="" type="checkbox"/> IGS |
| <input type="checkbox"/> INCHEM | <input type="checkbox"/> INERIS-PSC |
| <input checked="" type="checkbox"/> IPCHEM | <input type="checkbox"/> J-CHECK |
| <input type="checkbox"/> JECDB | <input checked="" type="checkbox"/> NICNAS IMAP |
| <input checked="" type="checkbox"/> NICNAS Other | <input checked="" type="checkbox"/> NICNAS PEC |
| <input checked="" type="checkbox"/> OECD HPV | <input type="checkbox"/> OECD SIDS IUCLID |
| <input checked="" type="checkbox"/> SIDS UNEP | <input checked="" type="checkbox"/> SPIN |
| <input checked="" type="checkbox"/> UK CCRMP Outputs | <input type="checkbox"/> US EPA IRIS |
| <input type="checkbox"/> US EPA SRS | |

Select All Deselect All

Select one or more of the participating databases for your search.

Search by

- Reference Number
CAS, EC, IUBMB, MITI, UN, NA
- Chemical name or synonym
Wildcards: *methly*
Different characters: 四塩化炭素
- Query URLs

Filter to data sources which contain specific types of information.



Substance search results

Search Results ?

Your search criteria retrieved the substance(s) below, or the same substance(s) identified by another identifier, or an indirect match based on subsequent search(es) on numbers, names or synonyms.

Property Data	Number	Name	Remark	Match to criteria	Result	Source
<input type="checkbox"/>	7726-95-6 (CAS Number)	dibromine (IUPAC Name)	Bromine			ECHA REACH
	7726-95-6 (CAS Number)	Bromine				ACToR
<input type="checkbox"/>	7726-95-6 (CAS Number)	Bromine				CCR
	7726-95-6 (CAS Number)	bromine	EU Harmonised CLP Classification no. 035-001- 00-5			ECHA C&L inventory
	7726-95-6 (CAS Number)	Bromine				EnviChem
	7726-95-6 (CAS Number)	molecular bromine				IPCHEM
	10097-32-2 (CAS Number)	bromine				IPCHEM

22 Hit(s)

Broad search offers as many links to chemical information as possible.

In the first level of results, search criteria match data submitted by data source.



Results that do not directly match search criteria but may be of potential interest.



Substance search – link to data source

Search Results ?

Your search criteria retrieved the substance(s) below, or the same substance(s) identified by another identifier, or an indirect match based on subsequent search(es) on numbers, names or synonyms.

Property Data	Number	Name	Remark	Match to criteria	Result	Source
	7726-95-6 (CAS Number)	Bromine				EnviChem

Go directly to
full information
in local data
source

www.ymparisto.fi

Data bank of environmental chemicals | The Finnish Environment Institute (SYKE)

[Back](#) [Print](#)
8.10.2019

Data bank of environmental properties of chemicals

Chemical
Bromine
CAS-number :
7726-95-6

Sumformula of the chemical :
Br2 Br2
EINECS-number :
2317781

Molecular weight :
159.82

LC50 values to mammals in inhalation exposure, ppm :
750



Property search

The Global Portal to Information on Chemical Substances



eChemPortal

eChemPortal

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Property Search

Select Query Block Type

Select a section for which to define query criteria.

 [Load Query](#)

- + Physical and chemical properties
- + Environmental fate and pathways
- + Ecotoxicological Information
- Toxicological information
 - Toxicokinetics, metabolism and distribution
 - Basic toxicokinetics
 - Dermal absorption
 - Acute Toxicity
 - Acute toxicity: oral
 - Acute toxicity: inhalation
 - Acute toxicity: dermal
 - Acute toxicity: other routes

Property data points list

Select one of 69 data points and perform a search by chemical property.

- Ecotoxicological Information
 - Aquatic toxicity
 - Short-term toxicity to fish**
 - Long-term toxicity to fish
 - Short-term toxicity to aquatic invertebrates



Property search - criteria entry screen

Short-term toxicity to fish

Define the search criteria for the Query Block.

Cancel Save

Type of information:

Reliability:

Reference, Year:

Test guideline, Qualifier:

Test guideline, Guideline:

GLP compliance:

Endpoint:

Test organisms (species):

Test type:

Water media type:

Effect concentrations, Duration:

Effect concentrations, Dose descriptor:

Effect concentrations, Effect conc.:

Effect concentrations, Conc. based on:

Effect concentrations, Basis for effect:

Effect concentrations, Remarks on result:

Cancel Save

Data point query block

Choose a data point and query to find data sets according to that data point without entering additional criteria. (click on "Save")...

OR further define search criteria for this data point.

Note:

- Not all data sources submit data for all records or all fields.
- Results may contain information from the same study reference in more than one data source.



Property search - criteria

Property Search

Property Search Property Search

Save query to local drive and reload later

Define the query criteria.

Search is not restricted to a selected source. [Select source.](#)

+ Add Query Block | New Query | Load Query | Save Query

X Short-term toxicity to fish

Effect concentrations, Dose descriptor = LC50
Effect concentrations, Effect conc. overlapping: < 1 mg/L

AND

X Partition coefficient

Partition coefficient, Partition coefficient overlapping: < 3

Combine Query Blocks with “AND”, “OR”, and “NOT” logic.

Execute Query



Property search - result

Property Search Result

Back to Property Search			CSV Excel	Results 1 - 10 of 4164 (limited result)		
1 2 3 4 5 6 7 8 9 10			Next			
Substance	Results	Source				
(1R)-1-[(4R,4aR,8aS)-2,6-bis(4-methylphenyl)-hexahydro-[1,3]dioxino[5,4-d][1,3]dioxin-4-yl]ethane-1,2-diol (IUPAC Name) Member of Category: no View Dataset...	Partition coefficient Partition coefficient, Partition coefficient: 2.51	ECHA CHEM				
(1R)-1-[(4R,4aR,8aS)-2,6-bis(4-methylphenyl)-hexahydro-[1,3]dioxino[5,4-d][1,3]dioxin-4-yl]ethane-1,2-diol (IUPAC Name) Member of Category: no View Dataset...	Partition coefficient Partition coefficient, Partition coefficient: 2.7	ECHA CHEM				
(2,3-dihydroxypropyl)(3-docosanamidopropyl)dimethylazanium chloride (IUPAC Name) 136920-10-0 (CAS Number) Member of Category: no View Dataset...	Partition coefficient Partition coefficient, Partition coefficient: ca. 0	ECHA CHEM				
(1R)-1-[(4R,4aR,8aS)-2,6-bis(4-methylphenyl)-hexahydro-[1,3]dioxino[5,4-d][1,3]dioxin-4-yl]ethane-1,2-diol (IUPAC Name) Member of Category: no View Dataset...	Partition coefficient Partition coefficient, Partition coefficient: 2.5	ECHA CHEM				
(1,3-benzothiazol-2-ylsulfanyl)(tert-butyl)amine (IUPAC Name) 95-31-8 (CAS Number) Member of Category: no View Dataset...	Partition coefficient Partition coefficient, Partition coefficient: 2.56	ECHA CHEM				
(1R)-1-[(4R,4aR,8aS)-2,6-bis(4-methylphenyl)-hexahydro-[1,3]dioxino[5,4-d][1,3]dioxin-4-yl]ethane-1,2-diol (IUPAC Name) Member of Category: no View Dataset...	Short-term toxicity to fish Effect concentrations, Dose descriptor: LC50 Effect concentrations, Effect conc.: > 0.7 mg/L	ECHA CHEM				

Download query results

- Search results matching search criteria and
- direct link to full data set in local data source



Combined searches

Substance ID and property & effects

Search this substance dataset with property or effects criteria

Check	Number	Name	Remark	Level	Result	Source
	142-96-1 (CAS Number)	Dibutylether (Unknown)				IGS
	142-96-1 (CAS Number)	Butane, 1,1'-oxybis- (Unknown)				US EPA SRS
	142-96-1 (CAS Number)	Butyl ether (Unknown)				ACToR
	142-96-1 (CAS Number)	Butane, 1,1'-oxybis- (Unknown)				OECD HPV
<input checked="" type="checkbox"/>	142-96-1 (CAS Number)	1,1'-oxydibutane (IUPAC Name)	dibutyl ether (IUC4 DSN 142)			OECD SIDS IUCLID
<input checked="" type="checkbox"/>	142-96-1 (CAS Number)	Butane, 1,1'-oxybis- (Unknown)				J-CHECK
<input checked="" type="checkbox"/>	142-96-1 (CAS Number)	1,1'-oxydibutane (IUPAC Name)	dibutyl ether			ECHA CHEM
	142-96-1 (CAS Number)	Butane, 1,1'-oxybis- (Unknown)				SPIN
<input checked="" type="checkbox"/>	142-96-1 (CAS Number)	Butane, 1,1'-oxybis- (Unknown)				CCR
	142-96-1 (CAS Number)	1,1'-Oxybisbutan (Unknown)				GSBL
	142-96-1 (CAS Number)	di-n-butyl ether; dibutyl ether (Unknown)				GHS-J
	142-96-1 (CAS Number)	Butyl ether, n- (Unknown)				INCHEM
	142-96-1 (CAS Number)	di-n-butyl ether (Unknown)	EU Harmonised CLP Classification no. 603-054-00-9			ECHA C&L inventory

Select All Deselect All

Continue with Property Search

View reviewed GHS classification for this substance



Combined searches: Substance ID and property & effects

Property Search Result

[Back to Property Search](#)

CSV Excel Results 1 - 4 of 4

Substance	Results	Source
1,1'-oxydibutane (IUPAC Name) 142-96-1 (CAS Number) Member of Category: no View Dataset...	Acute toxicity: oral 🔗	OECD SIDS IUCLID 🔗
1,1'-oxydibutane (IUPAC Name) 142-96-1 (CAS Number) Member of Category: no View Dataset...	Acute toxicity: oral 🔗	OECD SIDS IUCLID 🔗
1,1'-oxydibutane (IUPAC Name) 142-96-1 (CAS Number) Member of Category: no View Dataset...	Acute toxicity: oral 🔗	ECHA CHEM 🔗
1,1'-oxydibutane (IUPAC Name) 142-96-1 (CAS Number) Member of Category: no View Dataset...	Acute toxicity: oral 🔗	ECHA CHEM 🔗



OECD Existing Chemicals Screening Information Data Sets (SIDS)

Queries Section tree Document

dibutyl ether (IUC4 DSN 142) / dibutyl ether / 1,1'-oxydibutane / 142-96-1 / OECD / Paris / France
Acute toxicity: oral, IUC4#7/Ch.5.1.1

[Administrative Data](#) [Data source](#) [Materials and methods](#)
[Results and discussions](#) [Overall remarks, attachments](#)

Administrative Data

other: Critical study for SIDS endpoint

Purpose flag key study ☒ robust study summary ☐ used for classification ☐ used for MSDS

Data waiving

Justification for data waiving

Study result type Study period

Reliability 2 (reliable with restrictions)

Rationale for reliability incl. Well performed study, study performance before deficiencies implementation of GLP, purity of test item not reported

Data source

Reference

Reference type Author

Smyth, H.F., Carpenter, C.P., Weil, C.S., Pozzani, U.C. (1954) Range-finding toxicity data, List V. Arch. Ind. Hyg. Occup. Med., 10, 61-68

Materials and methods

Principles of method if other than guideline


Method: other

GLP compliance

no




GHS classification and labelling search: Search by substance



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Classification and labelling search

Define the query criteria.
Search is not restricted to a selected source. [Select source.](#)

Search the C&L of a substance

Number:

3380-34-5

CAS, EC, IUBMB, MITI, UN or NA Number.
Example: 108-88-3 for a CAS Number.
Make sure you include the number separators. Do not search on partial Numbers.

Chemical name or synonym:

Example: Use gluta* to find Glutamic acid, use *chloro* to find dichlorobenzene.
To search for * as character (non wildcard use) use ** instead.

Search by classification

+

 Add Query Block |

📄

 New Query |

📂

 Load Query |

💾

 Save Query

Search

 Reset



GHS classification search – final results

In a glance, view the classifications reviewed by a regulatory body or similar international organisation for a specific substance and...

Go directly to full information in local data source

The second table contains links to where other classification information may be found (unstructured data, un-reviewed...)

Query Result - Reviewed / harmonised classification and labelling

Ways to proceed

- You can click a link in the "Result" column to see the substance in the participants database, including information like specific concentration limits and M-Factors when available.

Name	Number	Classification	Labelling	Result	Source
triclosan (Unknown)	3380-34-5 (CAS Number)	Skin Irrit. 2	Warning		ECHA C&L inventory
	604-070-00-9	Eye Irrit. 2			
		Aquatic Acute 1			
		Aquatic Chronic 1			
triclosan; 2,4,4'-trichloro-2'-hydroxy-diphenyl-ether; 5-chloro-2-(2,4-dichlorophenoxy)phenol (Unknown)	3380-34-5 (CAS Number)	Aquatic Acute 1	Warning		GHS-J
		Aquatic Chronic 1 (Form:solid)			


2 Hit(s)

Other classification and labelling information


Number	Name	Remark	Level	Result	Source
3380-34-5 (CAS Number)	Triclosan (Unknown)				GDL
3380-34-5 (CAS Number)	Triclosan (Unknown)				GSBL
3380-34-5 (CAS Number)	Triclosan (Unknown)				HSNO CCID



GHS classification and labelling search: Search by classification



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Classification and labelling search

Define the query criteria.
Search is not restricted to a selected source. [Select source.](#)

Search the C&L of a substance

Number:

CAS, EC, IUBMB, MITI, UN or NA Number.
Example: 108-88-3 for a CAS Number.
Make sure you include the number separators. Do not search for dashes.

Chemical name or synonym:

Example: Use glut* to find Glutamic acid, use *chloro* to find Chloroform.
To search for * as character (non wildcard use) use ** instead.

Search by classification

+

 Add Query Block

New Query | Load Query

Search Reset

Sensitisation, respiratory 1

Sensitisation, respiratory 1A

Sensitisation, respiratory 1B

Sensitisation, skin 1

Sensitisation, skin 1A

Sensitisation, skin 1B

Germ cell mutagenicity 1A

Germ cell mutagenicity 1B

Germ cell mutagenicity 2

Carcinogenicity 1A

Carcinogenicity 1B

Carcinogenicity 2

Reproductive toxicity 1A

Reproductive toxicity 1B

Reproductive toxicity 2

Reproductive toxicity, effects on or via lactation

Specific target organ toxicity, single exposure 1

Specific target organ toxicity, single exposure 2

Specific target organ toxicity, single exposure 3




GHS classification search - criteria entry screen – by classification



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Classification and labelling search

Define the query criteria.
Search is not restricted to a selected source. [Select source.](#)

Search the C&L of a substance




Number:

CAS, EC, IUBMB, MITI, UN or NA Number.
Example: 108-88-3 for a CAS Number.
Make sure you include the number separators. Do not search on partial Numbers.

Chemical name or synonym:

Example: Use gluta* to find Glutamic acid, use *chloro* to find dichlorobenzene.
To search for * as character (non wildcard use) use ** instead.

Search by classification

+ Add Query Block |  New Query |  Load Query |  Save Query

X Reproductive toxicity

Hazard categories = Lact.

Search

Reset

Combine with substance search or... other classification query blocks

Save to local drive and reload queries

25



GHS classification search - criteria entry screen – results

Search history







- You searched for
Participants: [AGRITOX](#), [ECHA C&L inventory](#), [ECHA CHEM](#), [GDL](#), [GHS-J](#), [GSBL](#), [HSNO CCID](#), [IGS](#), [INCHEM](#), [NICNAS Other](#), [NICNAS PEC](#)
Classification: Reproductive toxicity, effects on or via lactation
- Number of hits: 47
- Download results in [CSV](#) or [EXCEL](#) format

Download query results

Query Result - Reviewed / harmonised classification and labelling

Ways to proceed

- You can click a link in the "Result" column to see the substance in the participants database, including information like specific concentration limits and M-Factors when available.

Name	Number	Classification	Labelling	Result	Source
(SP-4-2) -Diamminedichloroplatinum, (alias Cisplatin) (Unknown)	15663-27-1 (CAS Number)	Acute Tox. 2 - Oral	Danger		GHS-J
		Eye Irrit. 2A			
		Muta. 1B			
		Carc. 1B			
		Repr. 1B			
		Lact.			
		STOT Single Exp. 1			
		STOT Rep. Exp. 1			
1,2,3,4,5-Pentachlorobenzene (Unknown)	608-93-5 (CAS Number)	(Form:solid)			GHS-J
		Acute Tox. 4 - Oral	Warning		
		Repr. 2			
		Lact.			

Go directly to full information in local data source



Participating data source descriptions



Print

English ▼

The Global Portal to Information on Chemical Substances



eChemPortal

eChemPortal ▼

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Participating Databases

Participating Databases ➤ IGS

IGS-Public Informationssystem für gefährliche Stoffe (Germany)

Type of information:

- Risk assessments
- Hazard assessments
- Exposure assessments
- GHS classifications
- Pesticides
- Biocides
- Industrial chemicals

General information:

IGS provides public access to a variety of information on chemical and microbiological substances mostly in German. The software interface is switchable between English and German. The focus is on regulatory information reflecting German and European, as well as Swiss, US and selected other legislation and assessments. Beside this, information on substance data and emergency procedures is available. The database is designed for the use by officials and employers, but also for the general public.

Disclaimer for Information available in IGS

This website is maintained to enhance public access to information on hazardous substances. The information is of a general nature and is intended for guidance only. Whilst the information is provided in

Descriptions of participating data sources contain information on review data has undergone



eChemPortal – main points

- Searches data from **multiple sources** simultaneously
- Identifies **relevant** information
- Provides direct **free** access to information
- Describes the **type of review** the data have undergone
- Allows a **broad search** on substance identification (including synonyms, trade names, in different languages)
- Receives and stores property and effects data in format based on **common electronic data formats** for reporting chemical test summaries - OECD Harmonised Templates for Reporting Chemical Test Summaries



OECD COMMON ELECTRONIC DATA FORMAT



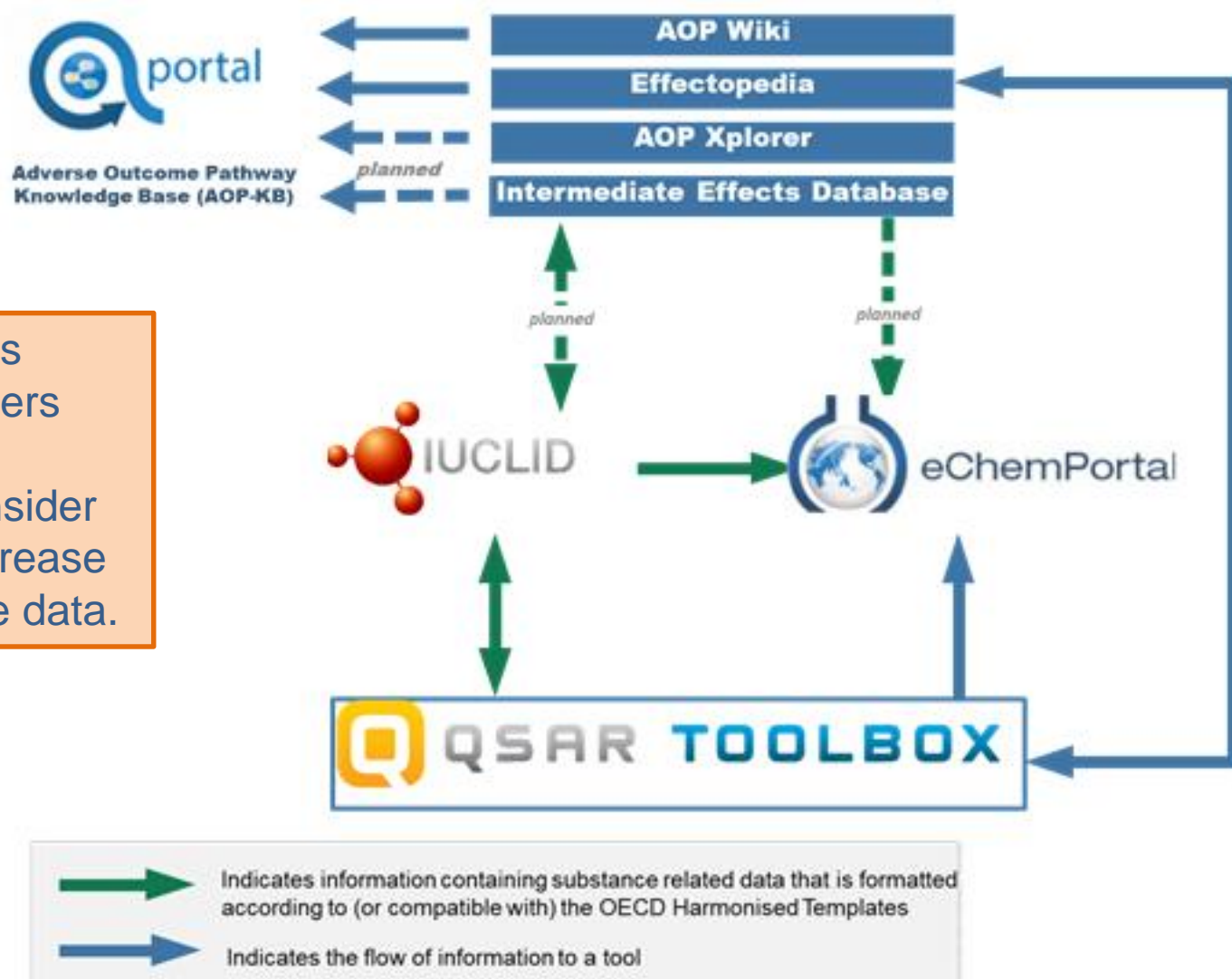
Data format compatible with OHTs

- eChemPortal receives and stores property & effect search data in established eChemPortal XML format based on elements of a common electronic data format
- **OECD Harmonised Templates for Reporting Chemical Test Summaries (OHTs)**
 - international standard
 - for reporting summaries of tests (studies) performed on chemicals
 - tests performed according to the **OECD Test Guidelines** as well as other procedures (national guidelines: EPA..., EU methods, ISO stds...)
 - to determine their properties or effects on human health and the environment.
 - each template has corresponding XML schema
 - www.oecd.org/ehs/templates



OECD promotes the interlinkage of tools developed to support chemical management in a regulatory context

OECD encourages database developers curating effects information to consider using OHTs to increase the ability to share data.





CONCLUSION



eChemPortal – the future

- Expand participation
- Improve search efficiency
- Continue investigating how eChemPortal can best support
 - effective chemicals management globally and
 - the public's right to know about the hazards, exposures and potential risks of chemicals


Contact us: echemportal@oecd.org



eChemPortal



New User interface coming soon !

 **eChemPortal**

The Global Portal to
Information on
Chemical Substances

[Home](#) [Substance Search](#) [Property Search](#) [Classification Search](#) [Assessment schedules](#) [Data sources](#) [About](#) [Help](#) [Contact](#)



Quick Search

Enter a chemical identifier



Tips for Number search

CAS, EC, IUBMB, MITI, UN or NA Number.
Example: 108-88-3 for a CAS Number. Make
sure you include the number separators. Do
not search on partial Numbers.

Tips for name search

"Example: Use glut* to find Glutamic acid, use
chloro to find dichlorobenzene. To search for *
as character (non wildcard use) use ** instead."

 Search

eChemPortal provides free
public access to information on
chemicals:



Physical Chemical Properties

Ecotoxicity

Toxicity

Environmental Fate and
Behaviour

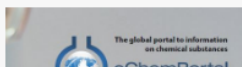
Classification and labelling

Exposure and use

"eChemPortal allows simultaneous searching of reports and datasets by chemical name and number, by chemical property, and by GHS classification. Direct links to collections of chemical hazard and risk information prepared for government chemical review programmes at national, regional and international levels are obtained. Classification results according to national/regional hazard classification schemes or to the Globally Harmonized System of Classification and Labelling of Chemicals (GHS) are provided when available. In addition, eChemPortal provides also exposure and use information on chemicals."

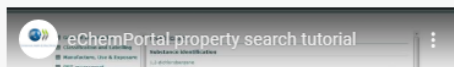
Downloads

[eChemPortal Brochure](#)



Tutorials

[eChemPortal property search tutorial](#)



News

[eChemPortal improvements live](#)

04 February 2019
eChemPortal v2.1 live: improvements of the
navigation, the download of the property results



THANK YOU

Valerie.frison@oecd.org

Environment, Health & Safety Division

Environment Directorate

Organisation for Economic Co-operation and Development (OECD)